

# BS-XP Series

## 10Gigabit Layer2 Switches



### High Speed Switching for SMB

Buffalo's BS-XP series of 10GbE switches offers an easy, cost-effective and energy-efficient way to extend your business network at blazing speeds. Plug and play installation requires no additional software or configuration; simply plug your network-ready devices into one of the available Ethernet ports. Each AUTO-MDIX port automatically detects and configures the correct connection while optional jumbo frame support and full duplex operation provide maximum performance.

Along with 802.3az Green Ethernet technology, the BS-XP series includes intelligent Power Control, an energy conservation feature that monitors the activity status of each port to reduce the total power consumed. Its durable, metal chassis has holes and comes with rack mounting accessories for easy wall- /rack-mounting or rubber feet for placement on a desktop.

With 10GbE speeds, eco-minded operation, performance-minded features and a lifetime warranty, Buffalo's BS-XP series of switches is a perfect network extension for your business.



### Features and Benefits

- Eight/twelve 10GbE ports
- 802.3az Green Ethernet technology
- Automatic energy conservation feature reduces total power consumption
- Auto-MDIX provides fast plug and play setup with any Ethernet cable
- Durable metal chassis
- Loop prevention or detection (depending on model)
- VLAN Management
- QoS
- Link Aggregation
- IGMP snooping
- Traffic Management



BS-XP2008-EU



BS-XP2012-EU

# BS-XP Series

## 10Gigabit Layer2 Switches



### Specifications

BS-XP2008-EU, BX-XP2012-EU	
Compatible models	IEEE802.3u (100BASE-TX) IEEE802.3ab (1000BASE-T) IEEE802.3an (10GBASE-T) IEEE802.3x (Flow Control) IEEE802.3az (EEE)
Interface	IEEE802.3u (100BASE-TX), IEEE802.3ab (1000BASE-T), IEEE802.3an (10GBASE-T)
Transmission speed	100Mbps (100BASE-TX), 1000Mbps (1000BASE-T), 10Gbps (10GBASE-T)
Data transfer method	Store-and-Forward
Latency	10µsec
Buffer capacity	2MBytes
Backplane bandwidth	BS-XP2008: 160Gbps BS-XP2012: 240Gbps
Data transfer rate	BS-XP2008: 80Gbit/s BS-XP2012: 120Gbit/s
Address table	16000 entries
Number of Ports	BS-XP2008: 100M/1000M/10G Full-Duplex 8 ports (all ports Auto-MDIX function deployment) BS-XP2012: 100M/1000M/10G Full-Duplex 12 ports (all ports Auto-MDIX function deployment)
Applicable cable	100BASE-TX: UTP category 5 1000BASE-T: UTP category 5e or better 10GBASE-T: UTP category 6a or better
Transmission distance	Up to 100m
Terminal shape	RJ-45 type 8 terminal
Management function	English, German, French Web configuration interface
Support function	Jumbo Frame 9,216Byte support, Loop detection & prevention function, Bad packet filtering, VLAN (by firmware update), QoS (by firmware update), Link Aggregation (by firmware update)
Security feature	User name, password; MAC address filter
VLAN feature	To be added by firmware update
Power-supply voltage	100-240V, 50/60Hz
Power consumption	BS-XP2008: 38W maximum BS-XP2012: 50W maximum
Quiescent current	BS-XP2008: 0.650A maximum BS-XP2012: 0.900A maximum
Calorific value	BS-XP2008: 136.8kJ/h maximum BS-XP2012: 180.0kJ/h maximum
Dimensions (WxDxH)	330(W) X 230(D) X 44(H) mm
Weight	BS-XP2008: 2400g BS-XP2012: 2570g
Operating environment	0 ~ 50 ° Celsius, (non-condensing) 10-85% humidity
Approvals	VCCI Class A, FCC / IC Class A, UL, CE, CB
Supported Standards	IEEE802.3u (100BASE-TX) IEEE802.3ab (1000BASE-T) IEEE802.3an (10GBASE-T) IEEE802.3x (Flow Control) IEEE802.3az (EEE)
Warranty	3 years
19-inch rack mount	Support (mounting bracket included)

#### Product Code

BS-XP2008-EU

BS-XP2012-EU



### About Buffalo

Buffalo Technology is a leading global provider of award-winning storage, networking and multimedia solutions for the home and small business environments as well as for system builders and integrators. With more than three decades of networking and computer peripheral experience, Buffalo has proven its commitment to delivering innovative solutions that have put the company at the forefront of infrastructure technology.

© Buffalo Inc. 2016. BUFFALO logo, AirStation, Nfiniti, AOSS, TeraStation, LinkStation, DriveStation and MiniStation are either trademarks or registered trademarks of Melco Holdings Inc. or Buffalo Inc. Microsoft Windows and Microsoft logo are either registered trademarks or trademarks of Microsoft Corporation in United States and/or other countries. The names and logos of other companies mentioned herein belong to their respective owners. The information within this datasheet is subject to change without notice. All rights reserved. E & OE.